

Table 3. Total Petroleum Consumption, Actual vs. Forecasts

	Comparison of AEO Consumption Forecasts to Historical Consumption									
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
(million barrels per day)										
AEO82	18.00	17.89	17.55	17.24	16.98	16.99				
AEO83	15.82	16.13	16.37	16.50	16.56	16.63				
AEO84	15.77	15.76	16.01	16.27	16.48	16.74				
AEO85	15.72	15.74	15.97	16.01	16.06	16.08	16.18	16.23	16.32	16.36
AEO86		16.07	16.29	16.05	16.07	16.15	16.31	16.37	16.42	16.44
AEO87			16.52	16.66	16.96	17.06	17.29	17.56	17.73	17.76
AEO89				17.01	17.20	17.44	17.57	17.72	17.76	17.78
AEO90					17.24	17.41				
AEO91						16.95	16.65	16.83	17.01	17.17
AEO92							16.74	17.07	17.37	17.59
AEO93								17.07	17.45	17.79
AEO94									17.67	17.99
AEO95										17.53
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										
Actual	15.73	16.28	16.67	17.28	17.33	16.99	16.71	17.03	17.24	17.72
Average Absolute Error (Across AEOs)	0.60	0.61	0.51	0.75	0.64	0.37	0.41	0.42	0.47	0.44
(percent error)										
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AEO82	14.4	9.9	5.3	-0.2	-2.0	0.0				
AEO83	0.6	-0.9	-1.8	-4.5	-4.4	-2.1				
AEO84	0.3	-3.2	-4.0	-5.8	-4.9	-1.5				
AEO85	-0.1	-3.3	-4.2	-7.3	-7.3	-5.4	-3.2	-4.7	-5.3	-7.7
AEO86		-1.3	-2.3	-7.1	-7.3	-4.9	-2.4	-3.9	-4.8	-7.2
AEO87			-0.9	-3.6	-2.1	0.4	3.5	3.1	2.8	0.2
AEO89				-1.6	-0.8	2.6	5.1	4.1	3.0	0.3
AEO90					-0.5	2.5				
AEO91						-0.2	-0.4	-1.2	-1.3	-3.1
AEO92							0.2	0.2	0.8	-0.7
AEO93								0.2	1.2	0.4
AEO94									2.5	1.5
AEO95										-1.1
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										
Average Absolute Percent Error (Across AEOs)	3.8	3.7	3.1	4.3	3.7	2.2	2.5	2.5	2.7	2.5

Table 3. Total Petroleum Consumption, Actual vs. Forecasts

	Comparison of AEO Consumption Forecasts to Historical Consumption									
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
(million barrels per day)										
AEO82										
AEO83	17.37									
AEO84	18.00									
AEO85	16.53									
AEO86	16.46	16.50	16.64	16.80	17.21	17.38				
AEO87	17.72					18.30				
AEO89	17.82	18.05	18.12	18.19	18.40	18.61				
AEO90	18.21					18.84				
AEO91	17.34	17.53	17.83	18.09	18.33	18.53	18.9	19.1	19.2	19.3
AEO92	17.80	17.86	17.99	18.14	18.26	18.43	18.7	18.9	19.1	19.2
AEO93	18.15	18.26	18.60	18.88	19.07	19.25	19.5	19.8	20.0	20.2
AEO94	18.20	18.42	18.66	18.85	19.06	19.34	19.5	19.7	20.0	20.2
AEO95	17.93	17.96	18.29	18.48	18.69	18.87	19.1	19.3	19.6	19.9
AEO96	17.78	17.88	18.10	18.38	18.58	18.78	19.0	19.2	19.4	19.7
AEO97		18.18	18.34	18.70	19.05	19.38	19.7	19.9	20.2	20.4
AEO98			18.89	18.92	19.36	19.62	19.9	20.3	20.5	20.8
AEO99				18.86	19.20	19.91	20.2	20.5	20.7	20.9
AEO2000					19.33	19.56	19.9	20.2	20.4	20.8
AEO2001						19.50	20.0	20.4	20.6	20.9
AEO2002							19.7	20.8	20.6	21.7
Actual	17.72	18.31	18.62	18.92	19.52	19.70	19.6			
Average Absolute Error (Across AEOs)	0.41	0.48	0.54	0.53	0.81	0.72	0.4			

	Comparison of AEO Consumption Forecasts to Historical Consumption						
	1995	1996	1997	1998	1999	2000	2001
(percent error)							
AEO82							
AEO83	-2.0						
AEO84	1.6						
AEO85	-6.7						
AEO86	-7.1	-9.9	-10.6	-11.2	-11.8	-11.8	
AEO87	0.0					-7.1	
AEO89	0.6	-1.4	-2.7	-3.8	-5.7	-5.5	
AEO90	2.8					-4.4	
AEO91	-2.1	-4.3	-4.2	-4.4	-6.1	-5.9	-3.7
AEO92	0.5	-2.5	-3.4	-4.1	-6.5	-6.5	-4.6
AEO93	2.4	-0.3	-0.1	-0.2	-2.3	-2.3	-0.3
AEO94	2.7	0.6	0.2	-0.4	-2.4	-1.8	-0.4
AEO95	1.2	-1.9	-1.8	-2.3	-4.2	-4.2	-2.6
AEO96	0.3	-2.3	-2.8	-2.8	-4.8	-4.7	-2.9
AEO97		-0.7	-1.5	-1.1	-2.4	-1.6	0.4
AEO98			1.5	0.0	-0.8	-0.4	1.8
AEO99				-0.3	-1.6	1.1	3.3
AEO2000					-1.0	-0.7	1.6
AEO2001						-1.0	2.3
AEO2002							0.5
Average Absolute Percent Error (Across AEOs)	2.3	2.6	2.9	2.8	4.1	3.7	1.7

Table 3. Total Petroleum Consumption, Actual vs. Forecasts

	AEO Consumption Forecasts									
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	(million barrels per day)									
AEO82										
AEO83										
AEO84										
AEO85										
AEO86										
AEO87										
AEO89										
AEO90	19.5						20.3			
AEO91	19.5	19.7	19.8	20.0	20.2	20.3				
AEO92	19.4	19.6	19.7	19.8	20.0	20.1				
AEO93	20.4	20.5	20.7	20.7	20.9	21.0				
AEO94	20.4	20.6	20.8	21.0	21.1	21.3				
AEO95	20.1	20.3	20.5	20.7	20.8	20.9				
AEO96	19.9	20.1	20.2	20.4	20.6	20.7	20.8	20.9	21.0	21.1
AEO97	20.7	20.9	21.2	21.4	21.5	21.6	21.7	21.8	21.9	22.0
AEO98	21.2	21.5	21.8	22.1	22.4	22.7	22.9	23.2	23.3	23.5
AEO99	21.2	21.5	21.8	22.1	22.4	22.7	22.9	23.1	23.3	23.5
AEO2000	21.1	21.4	21.7	22.0	22.2	22.5	22.7	23.0	23.2	23.6
AEO2001	21.2	21.5	21.8	22.1	22.4	22.7	23.0	23.2	23.6	23.9
AEO2002	22.6	23.0	23.4	23.8	24.1	24.4	24.7	24.7	24.5	24.3

Table 3. Total Petroleum Consumption, Actual vs. Forecasts

	Absolute Forecasting Errors as Compared to Actual Historical Figures								1993	1994	1995	
	1985	1986	1987	1988	1989	1990	1991	1992				
(absolute forecasting errors)												
AEO82	2.3	1.6	0.9	0.0	0.3	0.0						
AEO83	0.1	0.2	0.3	0.8	0.8	0.4						0.3
AEO84	0.0	0.5	0.7	1.0	0.8	0.3						0.3
AEO85	0.0	0.5	0.7	1.3	1.3	0.9	0.5	0.8	0.9	1.4	1.2	
AEO86		0.2	0.4	1.2	1.3	0.8	0.4	0.7	0.8	1.3	1.3	
AEO87			0.2	0.6	0.4	0.1	0.6	0.5	0.5	0.0	0.0	
AEO89				0.3	0.1	0.5	0.9	0.7	0.5	0.1	0.1	
AEO90					0.1	0.4						0.5
AEO91						0.0	0.1	0.2	0.2	0.5	0.4	
AEO92							0.0	0.0	0.1	0.1	0.1	
AEO93								0.0	0.2	0.1	0.4	
AEO94									0.4	0.3	0.5	
AEO95										0.2	0.2	
AEO96											0.1	
AEO97												
AEO98												
AEO99												
AEO2000												
AEO2001												
AEO2002												
(absolute percent error)												
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
AEO82	14.4	9.9	5.3	0.2	2.0	0.0						
AEO83	0.6	0.9	1.8	4.5	4.4	2.1						2.0
AEO84	0.3	3.2	4.0	5.8	4.9	1.5						1.6
AEO85	0.1	3.3	4.2	7.3	7.3	5.4	3.2	4.7	5.3	7.7	6.7	
AEO86		1.3	2.3	7.1	7.3	4.9	2.4	3.9	4.8	7.2	7.1	
AEO87			0.9	3.6	2.1	0.4	3.5	3.1	2.8	0.2	0.0	
AEO89				1.6	0.8	2.6	5.1	4.1	3.0	0.3	0.6	
AEO90					0.5	2.5						2.8
AEO91						0.2	0.4	1.2	1.3	3.1	2.1	
AEO92							0.2	0.2	0.8	0.7	0.5	
AEO93								0.2	1.2	0.4	2.4	
AEO94									2.5	1.5	2.7	
AEO95										1.1	1.2	
AEO96											0.3	
AEO97												
AEO98												
AEO99												
AEO2000												
AEO2001												
AEO2002												

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	Absolute Forecasting Errors as Compared to Actual Historical Figures						Average Absolute (Across Years)
	1996	1997	1998	1999	2001	2002	
(absolute forecasting errors)							
AEO82							0.9
AEO83							0.4
AEO84							0.5
AEO85							0.9
AEO86	1.8	2.0	2.1	2.3	2.3		1.3
AEO87							0.3
AEO89	0.3	0.5	0.7	1.1	1.1		0.5
AEO90							0.3
AEO91	0.8	0.8	0.8	1.2	1.2	0.7	0.6
AEO92	0.4	0.6	0.8	1.3	1.3	0.9	0.5
AEO93	0.0	0.0	0.0	0.4	0.5	0.1	0.2
AEO94	0.1	0.0	0.1	0.5	0.4	0.1	0.3
AEO95	0.3	0.3	0.4	0.8	0.8	0.5	0.5
AEO96	0.4	0.5	0.5	0.9	0.9	0.6	0.6
AEO97	0.1	0.3	0.2	0.5	0.3	0.1	0.3
AEO98		0.3	0.0	0.2	0.1	0.3	0.2
AEO99			0.1	0.3	0.2	0.6	0.3
AEO2000				0.2	0.1	0.3	0.2
AEO2001					0.2	0.4	0.3
AEO2002						0.1	0.1
Actual							
Average Absolute Error (Across AEOs)							0.5
(absolute percent error)							
	1996	1997	1998	1999	2000	2001	Average Absolute Percent Error (Across Years)
AEO82							5.3
AEO83							2.3
AEO84							3.0
AEO85							5.0
AEO86	9.9	10.6	11.2	11.8	11.8	0.0	6.5
AEO87							1.9
AEO89	1.4	2.7	3.8	5.7	5.5	0.0	2.7
AEO90							1.9
AEO91	4.3	4.2	4.4	6.1	5.9	3.7	3.1
AEO92	2.5	3.4	4.1	6.5	6.5	4.6	2.7
AEO93	0.3	0.1	0.2	2.3	2.3	0.3	1.0
AEO94	0.6	0.2	0.4	2.4	1.8	0.4	1.4
AEO95	1.9	1.8	2.3	4.2	4.2	2.6	2.4
AEO96	2.3	2.8	2.8	4.8	4.7	2.9	3.0
AEO97	0.7	1.5	1.1	2.4	1.6	0.4	1.3
AEO98		1.5	0.0	0.8	0.4	1.8	0.9
AEO99			0.3	1.6	1.1	3.3	1.6
AEO2000				1.0	0.7	1.6	1.1
AEO2001					1.0	2.3	1.6
AEO2002						0.5	0.5
Average Absolute Percent Error (Across AEOs)							2.9